

Valeria Pettorino

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4408535/valeria-pettorino-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

3,591
citations

28
h-index

50
g-index

50
ext. papers

4,316
ext. citations

6.1
avg, IF

5.21
L-index

#	Paper	IF	Citations
49	Joint analysis of BICEP2/keck array and Planck Data. <i>Physical Review Letters</i> , 2015 , 114, 101301	7.4	691
48	Cosmology and Fundamental Physics with the Euclid Satellite. <i>Living Reviews in Relativity</i> , 2013 , 16, 6	32.5	582
47	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , 2018 , 21, 2	32.5	366
46	Planck2015 results. <i>Astronomy and Astrophysics</i> , 2016 , 594, A19	5.1	220
45	HydrodynamicalN-body simulations of coupled dark energy cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 403, 1684-1702	4.3	158
44	Coupled and extended quintessence: Theoretical differences and structure formation. <i>Physical Review D</i> , 2008 , 77,	4.9	124
43	The darkness that shaped the void: dark energy and cosmic voids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 426, 440-461	4.3	109
42	COUPLED QUINTESSENCE AND THE COINCIDENCE PROBLEM. <i>Modern Physics Letters A</i> , 2003 , 18, 831-842	4.3	97
41	Euclid preparation. <i>Astronomy and Astrophysics</i> , 2020 , 642, A191	5.1	73
40	DeterminingH0with Bayesian hyper-parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 056-056	6.4	68
39	Testing modified gravity with Planck: The case of coupled dark energy. <i>Physical Review D</i> , 2013 , 88,	4.9	66
38	How early is early dark energy?. <i>Physical Review D</i> , 2013 , 87,	4.9	65
37	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. <i>Astroparticle Physics</i> , 2021 , 131, 102605	2.4	65
36	Effects of modified gravity on B-mode polarization. <i>Physical Review D</i> , 2014 , 90,	4.9	58
35	Clarifying spherical collapse in coupled dark energy cosmologies. <i>Physical Review D</i> , 2010 , 82,	4.9	58
34	Constraints on coupled dark energy using CMB data from WMAP and South Pole Telescope. <i>Physical Review D</i> , 2012 , 86,	4.9	51
33	A comparison of structure formation in minimally and non-minimally coupled quintessence models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 437, 547-561	4.3	48

32	Non-local gravity and comparison with observational datasets. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 044-044	6.4	46
31	Update on coupled dark energy and the H0 tension. <i>Physical Review D</i> , 2020 , 101,	4.9	46
30	Non-local gravity and comparison with observational datasets. II. Updated results and Bayesian model comparison with Λ CDM. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 068-068	6.4	46
29	Testing coupled dark energy with next-generation large-scale observations. <i>Physical Review D</i> , 2012 , 85,	4.9	42
28	High-z massive clusters as a test for dynamical coupled dark energy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011 , 412, L1-L5	4.3	38
27	Extended quintessence with an exponential coupling. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005 , 2005, 014-014	6.4	38
26	Breaking degeneracies in modified gravity with higher (than 2nd) order weak-lensing statistics. <i>Astronomy and Astrophysics</i> , 2018 , 619, A38	5.1	34
25	Linear and non-linear Modified Gravity forecasts with future surveys. <i>Physics of the Dark Universe</i> , 2017 , 18, 73-104	4.4	29
24	Neutrino lumps and the cosmic microwave background. <i>Physical Review D</i> , 2010 , 82,	4.9	28
23	Scaling solutions in scalar-tensor cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005 , 2005, 003-003	6.4	28
22	Testing (modified) gravity with 3D and tomographic cosmic shear. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 3725-3738	4.3	28
21	Maps of CMB lensing deflection from N-body simulations in Coupled Dark Energy Cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 004-004	6.4	26
20	Hydrodynamical simulations of galaxy clusters in dark energy cosmologies - I. General properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 415, 2758-2772	4.3	26
19	Non-minimally coupled dark matter: effective pressure and structure formation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012 , 2012, 027-027	6.4	25
18	Friction in gravitational waves: A test for early-time modified gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 353-357	4.2	24
17	Surfing gravitational waves: can bigravity survive growing tensor modes?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 052-052	6.4	23
16	Oscillating non-linear large-scale structures in growing neutrino quintessence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 214-229	4.3	21
15	On the dissection of degenerate cosmologies with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 104-122	4.3	20

14	Distinguishing standard and modified gravity cosmologies with machine learning. <i>Physical Review D</i> , 2019 , 100,	4.9	20
13	KIDS+GAMA: constraints on horndeski gravity from combined large-scale structure probes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 2155-2177	4.3	20
12	Cosmology Intertwined: A Review of the Particle Physics, Astrophysics, and Cosmology Associated with the Cosmological Tensions and Anomalies. <i>Journal of High Energy Astrophysics</i> , 2022 , 34, 49-49	2.5	17
11	Fitting and forecasting coupled dark energy in the non-linear regime. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 045-045	6.4	15
10	Dynamics of neutrino lumps in growing neutrino quintessence. <i>Physical Review D</i> , 2016 , 94,	4.9	12
9	Can AMS-02 discriminate the origin of an anti-proton signal?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 078-078	6.4	12
8	Constraining neutrino masses with weak-lensing multiscale peak counts. <i>Physical Review D</i> , 2020 , 102,	4.9	10
7	Clustering in growing neutrino cosmologies 2009 ,		7
6	Early dark energy in the pre- and postrecombination epochs. <i>Physical Review D</i> , 2021 , 104,	4.9	4
5	Euclid: the selection of quiescent and star-forming galaxies using observed colours. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 2337-2354	4.3	3
4	Starlet-norm for weak lensing cosmology. <i>Astronomy and Astrophysics</i> , 2021 , 645, L11	5.1	3
3	Beyond self-acceleration: Force- and fluid-acceleration. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135214	4.2	1
2	Growing neutrino cosmologies and impact on large scale structures. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009 , 194, 300-306		
1	Testing the Dark Universe with Cosmic Shear 2021 , 557-569		